



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12141552
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

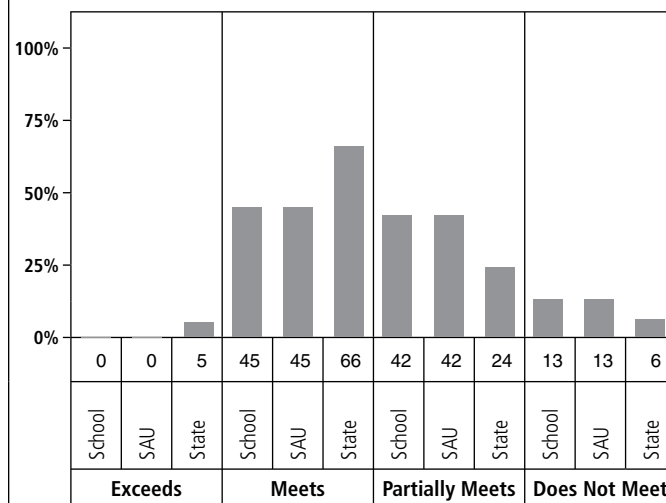
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

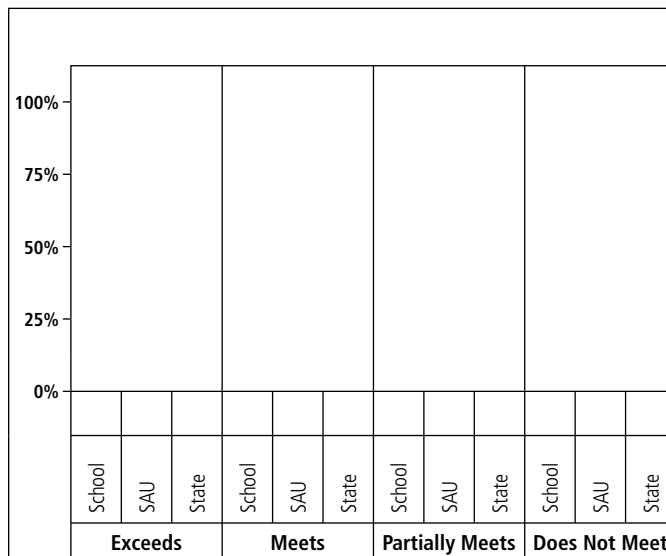
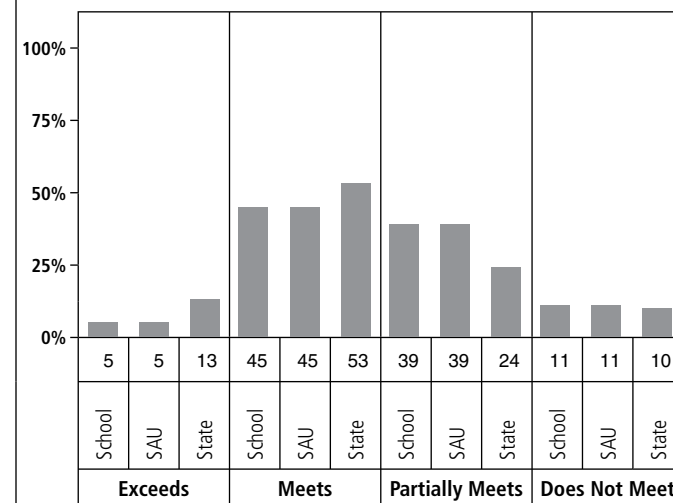
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	437	437	445
2007–2008	448	448	445
2008–2009	441	441	446
Cum. Avg.*	442	442	445
Mathematics			
2006–2007	439	439	445
2007–2008	452	452	445
2008–2009	443	443	446
Cum. Avg.*	444	444	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	40	100	40	100	13805	100	40	100	40	100	13737	100	40	100	40	100	13746	100						
Ethnicity African American/Black	1	3	1	3	419	3	1	100	1	100	410	98	1	100	1	100	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	0	0	0	0	229	2	0	0	0	0	223	97	0	0	0	0	227	99						
Hispanic	1	3	1	3	149	1	1	100	1	100	148	99	1	100	1	100	148	99						
Caucasian/White	38	95	38	95	12883	93	38	100	38	100	12832	100	38	100	38	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	8	20	8	20	2383	17	8	100	8	100	2366	100	8	100	8	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	24	60	24	60	5819	42	24	100	24	100	5782	99	24	100	24	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	30	75	30	75	10439	76	30	75	30	75	10471	76						
Identified disability (PET/IEP)	1	3	1	3	351	3	1	3	1	3	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	0	0	0	0	92	1	0	0	0	0	90	1						
Participation with accommodations	8	20	8	20	3142	23	8	20	8	20	3138	23						
Identified disability (PET/IEP)	5	63	5	63	1860	59	5	63	5	63	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	0	0	0	0	71	2	0	0	0	0	73	2						
Other	3	38	3	38	1060	34	3	38	3	38	1043	33						
Participation through alternate assessment (PAAP)	2	5	2	5	155	1	2	5	2	5	137	1						
Identified disability (PET/IEP)	2	100	2	100	155	100	2	100	2	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	1	3	1	3	507	4
	2007-2008	2	6	2	6	559	4
	2008-2009	0	0	0	0	672	5
	Cum. Total*	3	3	3	3	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	13	33	13	33	8749	63
	2007-2008	21	68	21	68	8308	59
	2008-2009	17	45	17	45	8917	66
	Cum. Total*	51	47	51	47	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	15	38	15	38	3467	25
	2007-2008	7	23	7	23	3922	28
	2008-2009	16	42	16	42	3241	24
	Cum. Total*	38	35	38	35	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	10	26	10	26	1165	8
	2007-2008	1	3	1	3	1264	9
	2008-2009	5	13	5	13	751	6
	Cum. Total*	16	15	16	15	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	27.1	56.5	27.1	56.5	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	13.2	55.0	13.2	55.0	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	13.8	57.5	13.8	57.5	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 20
 School: Fort Fairfield Elementary Scho

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	38	0	0	17	45	16	42	5	13	441	38	0	45	42	13	441	13581	5	66	24	6	446
Ethnicity																						
African American/Black	1										1						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	0										0						221	9	62	22	7	447
Hispanic	1										1						146	1	64	28	6	445
Caucasian/White	36	0	0	16	44	15	42	5	14	441	36	0	44	42	14	441	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	6	0	0	1	17	3	50	2	33	435	6	0	17	50	33	435	2211	1	39	42	18	439
No	32	0	0	16	50	13	41	3	9	442	32	0	50	41	9	442	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	38	0	0	17	45	16	42	5	13	441	38	0	45	42	13	441	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	23	0	0	9	39	10	43	4	17	439	23	0	39	43	17	439	5677	2	57	32	9	443
No	15	0	0	8	53	6	40	1	7	444	15	0	53	40	7	444	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	38	0	0	17	45	16	42	5	13	441	38	0	45	42	13	441	13575	5	66	24	6	446
Gender																						
Female	16	0	0	8	50	6	38	2	13	442	16	0	50	38	13	442	6580	7	68	21	5	448
Male	22	0	0	9	41	10	45	3	14	440	22	0	41	45	14	440	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	15	0	0	2	13	9	60	4	27	436	15	0	13	60	27	436	2127	1	48	42	9	441
No	23	0	0	15	65	7	30	1	4	444	23	0	65	30	4	444	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	38	0	0	17	45	16	42	5	13	441	38	0	45	42	13	441	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						4	2	45	36	17	441
B. less than one hour	84	0	0	14	45	13	42	4	13	441	84	0	45	42	13	441	75	5	67	23	4	447
C. one to two hours	16	0	0	3	50	3	50	0	0	443	16	0	50	50	0	443	18	5	67	23	5	447
D. more than two hours	0										0						2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	33	0	0	6	50	5	42	1	8	443	33	0	50	42	8	443	40	8	71	17	4	449
B. good	50	0	0	10	56	6	33	2	11	442	50	0	56	33	11	442	45	3	66	25	5	446
C. fair	14	0	0	1	20	3	60	1	20	438	14	0	20	60	20	438	13	1	54	35	10	442
D. poor	3	0	0	0	0	1	100	0	0	440	3	0	0	100	0	440	2	0	39	42	19	439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	30	0	0	5	45	4	36	2	18	442	30	0	45	36	18	442	31	8	69	19	4	448
B. They match some of what I have learned.	51	0	0	9	47	10	53	0	0	442	51	0	47	53	0	442	53	4	68	23	4	447
C. They match just a little of what I have learned.	14	0	0	2	40	2	40	1	20	440	14	0	40	40	20	440	11	2	54	35	10	442
D. There is no match.	5	0	0	1	50	0	0	1	50	436	5	0	50	0	50	436	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	19	0	0	2	29	4	57	1	14	437	19	0	29	57	14	437	19	4	54	31	11	443
B. about the same as my regular schoolwork	72	0	0	12	46	11	42	3	12	442	72	0	46	42	12	442	63	6	69	22	4	447
C. easier than my regular schoolwork	8	0	0	2	67	1	33	0	0	447	8	0	67	33	0	447	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	22	0	0	3	38	4	50	1	13	440	22	0	38	50	13	440	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	44	0	0	6	38	9	56	1	6	441	44	0	38	56	6	441	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	33	0	0	8	67	3	25	1	8	444	33	0	67	25	8	444	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	11	0	0	2	50	1	25	1	25	442	11	0	50	25	25	442	21	8	68	19	5	448
B. 20 minutes to an hour	59	0	0	9	41	10	45	3	14	441	59	0	41	45	14	441	55	5	70	21	4	447
C. less than 20 minutes	30	0	0	6	55	5	45	0	0	442	30	0	55	45	0	442	13	2	57	33	8	443
D. I rarely read at home.	0										0						11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	41	0	0	10	67	5	33	0	0	445	41	0	67	33	0	445	25	3	59	30	8	444
B. six to ten pages	38	0	0	5	36	6	43	3	21	438	38	0	36	43	21	438	24	4	64	26	6	445
C. eleven or more pages	22	0	0	2	25	5	63	1	13	440	22	0	25	63	13	440	51	7	70	20	4	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	1	100	0	0	0	0	448	100	0	100	0	0	448						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	1	3	1	3	1054	8
	2007-2008	5	16	5	16	1321	9
	2008-2009	2	5	2	5	1712	13
	Cum. Total*	8	7	8	7	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	16	41	16	41	7394	53
	2007-2008	22	71	22	71	7079	51
	2008-2009	17	45	17	45	7270	53
	Cum. Total*	55	51	55	51	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	13	33	13	33	3729	27
	2007-2008	3	10	3	10	3955	28
	2008-2009	15	39	15	39	3219	24
	Cum. Total*	31	29	31	29	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	9	23	9	23	1735	12
	2007-2008	1	3	1	3	1642	12
	2008-2009	4	11	4	11	1408	10
	Cum. Total*	14	13	14	13	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	28.5	59.4	28.5	59.4	30.8	64.2
A. Number	20	42	12.0	60.0	12.0	60.0	12.5	62.5
B. Data	8	17	4.6	57.5	4.6	57.5	5.3	66.3
C. Geometry	10	21	6.1	61.0	6.1	61.0	6.5	65.0
D. Algebra	10	21	5.7	57.0	5.7	57.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 20
 School: Fort Fairfield Elementary Scho

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	38	2	5	17	45	15	39	4	11	443	38	5	45	39	11	443	13609	13	53	24	10	446
Ethnicity																						
African American/Black	1										1						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	0										0						225	22	45	20	12	448
Hispanic	1										1						147	3	58	30	10	443
Caucasian/White	36	2	6	16	44	14	39	4	11	443	36	6	44	39	11	443	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	6	0	0	2	33	2	33	2	33	436	6	0	33	33	33	436	2227	3	34	33	30	437
No	32	2	6	15	47	13	41	2	6	444	32	6	47	41	6	444	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	38	2	5	17	45	15	39	4	11	443	38	5	45	39	11	443	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	23	0	0	8	35	11	48	4	17	439	23	0	35	48	17	439	5704	6	48	30	16	442
No	15	2	13	9	60	4	27	0	0	448	15	13	60	27	0	448	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	38	2	5	17	45	15	39	4	11	443	38	5	45	39	11	443	13603	13	53	24	10	446
Gender																						
Female	16	1	6	7	44	5	31	3	19	443	16	6	44	31	19	443	6591	12	54	24	11	446
Male	22	1	5	10	45	10	45	1	5	443	22	5	45	45	5	443	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	15	0	0	4	27	8	53	3	20	436	15	0	27	53	20	436	2131	3	41	38	18	440
No	23	2	9	13	57	7	30	1	4	448	23	9	57	30	4	448	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	38	2	5	17	45	15	39	4	11	443	38	5	45	39	11	443	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 20
School: Fort Fairfield Elementary Scho

QUESTIONNAIRE ITEMS	School										SAU						State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
		%	N	%	N	%	N	%	N														%
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 84 16 0										0 84 16 0						4 75 18 2	4 13 12 7	37 55 54 39	30 23 24 29	28 9 10 25	438 447 446 440	
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	16 57 24 3	2 0 0 0	33 0 0 0	3 12 2 0	50 57 22 0	0 7 6 1	0 33 67 100	1 2 1 0	17 10 11 0	449 444 438 434	16 57 24 3	33 0 0 0	50 57 22 0	0 33 67 100	17 10 11 0	449 444 438 434	37 45 14 3	22 9 3 2	56 56 46 33	16 25 34 35	7 9 17 29	451 446 440 436	
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	32 57 5 5	0 2 0 0	0 10 0 0	7 9 1 0	58 43 50 0	4 7 1 2	33 33 50 100	1 3 0 0	8 14 0 0	444 443 443 437	32 57 5 5	0 10 0 0	58 43 50 0	33 33 50 100	8 14 0 0	444 443 443 437	35 51 10 4	19 11 5 3	56 56 43 26	19 25 31 33	7 8 21 37	450 446 440 434	
How hard was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	24 62 14	1 0 1	11 0 20	1 14 2	11 61 40	6 6 2	67 26 40	1 3 0	11 13 0	439 443 448	24 62 14	11 0 20	11 61 40	67 26 40	11 13 0	439 443 448	17 62 21	5 13 18	44 57 53	31 23 19	20 7 10	441 448 449	
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	0 14 16 70										0 14 16 70						7 25 38 30	6 7 14 18	36 52 56 56	32 28 22 19	27 12 8 7	438 444 448 449	
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	3 41 24 32	0 1 0 1	0 7 0 8	0 7 5 5	0 47 56 42	0 7 3 4	0 47 33 33	1 0 1 2	100 0 11 17	424 445 443 443	3 41 24 32	0 7 0 8	0 47 56 42	0 47 33 33	100 0 11 17	424 445 443 443	3 12 32 53	4 13 15 11	36 51 58 53	31 26 20 25	28 10 7 11	438 446 449 446	
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	17 54 23 6	0 1 1 0	0 5 13 0	1 11 3 1	17 58 38 50	3 6 3 1	50 32 38 50	2 1 1 0	33 5 13 0	434 446 445 438	17 54 23 6	0 5 13 0	17 58 38 50	50 32 38 50	33 5 13 0	434 446 445 438	26 32 26 17	12 14 13 9	50 57 56 50	25 21 22 27	13 7 8 13	445 448 448 444	
Optional school/SAU question A. B. C. D.	0 0 100 0										0 0 100 0												

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number